

Abstract

[0097] An internal combustion engine includes: a cylinder block having one or more cylinders, a cylinder liner in a tubular shape disposed inside the cylinder; a piston reciprocating inside the cylinder liner and having a top land portion formed of an outer periphery of the piston sandwiched between a piston head and an uppermost ring groove; and a liner installation ring forming, inside the cylinder, a circular step portion protruding toward the inner periphery of the cylinder liner. The liner installation ring is disposed in the cylinder block or the cylinder liner in such a manner that the bottom face of the liner installation ring face to the uppermost portion of the cylinder liner. The liner installation ring is disposed at a position in accordance with the upper end position of the top land portion when the piston reaches a top dead center. The liner installation ring is set to protrude from the inner periphery of the cylinder liner in an inward direction at a length of 0.05 mm or more to 0.5 mm less.